WHAT IS CLAIMED IS:

1. An anion exchanger which is a fine particle having bound to the surface thereof a polyamine having a number average molecular weight of at least 50,000.

2. The anion exchanger according to claim 1, wherein the fine particle is a porous particle having pores having an average diameter of at least 150 Å.

3. The anion exchanger according to claim 1, wherein the polyamine is polyethyleneimine.

4. The anion exchanger according to claim 3, wherein the polyethyleneimine is bound to the surface of the particle through at least one group selected from the group consisting of $-CH_2-\underset{OH}{\underset{|}{CH}}-CH_2-$, $-CH_2-$ and $-CH=$.

5. A process for producing an anion exchanger of a fine particle form comprising the step of binding a polyamine having a number average molecular weight of at least 50,000 to at least one group selected from the group consisting of an epoxy group, a halogenated alkyl group and an aldehyde group, present on the surface of a fine particle.

6. The process for producing an anion exchanger according to claim 5, wherein the binding of the polyamine to the fine particle is carried out by placing the polyamine in contact with the fine particle which is dispersed in an aqueous liquid medium, in the presence of a base.

7. A packing for chromatography, which is comprised of the polyamine-bound fine particle as claimed in claim 1.

8. A packing for chromatography, which is comprised of the polyamine-bound fine particle as claimed in claim 2.

9. A packing for chromatography, which is comprised of the polyamine-bound fine particle as claimed in claim 3.

10. A packing for chromatography, which is comprised the polyamine-bound fine particle as claimed in claim 4.

11. A column for chromatography, which is packed with

the packing as claimed in claim 7.

12. A column for chromatography, which is packed with the packing as claimed in claim 8.

13. A column for chromatography, which is packed with the packing as claimed in claim 9.

14. A column for chromatography, which is packed with the packing as claimed in claim 10.

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